



## Product information SPIDER 4TX/1FX-SM EEC

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER-Switches:SPIDER 4TX/1FX-SM EEC

<http://e-catalog.hirschmann.com/link/57078-24455-49855-50103-39895/en/conf/uisstate>

Name	SPIDER 4TX/1FX-SM EEC
	
	Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s)
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s)
Port type and quantity	4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity 1 x 100BASE-FX, SM cable, SC sockets
Type	SPIDER 4TX/1FX-SM EEC
Order No.	943 880-001
<b>More Interfaces</b>	
Power supply/signaling contact	1 plug-in terminal block, 3-pin, no signal contact
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 - 100 m
Single mode fiber (SM) 9/125 µm	0 - 32,5 km, 16 dB Link Budget at 1300 nm, A = 0,4 dB/km, 3 dB Reserve, D = 3,5 ps/(nm x km)
<b>Network size - cascability</b>	
Line - / star topology	Any
<b>Power requirements</b>	
Operating voltage	9,6 V DC - 32 V DC
Current consumption at 24 V DC	Max. 150 mA
Power consumption	Max. 3,9 W 13,3 Btu (IT)/h at 24 V DC
<b>Service</b>	
Diagnostics	LEDs (power, link status, data, data rate)
<b>Ambient conditions</b>	
Operating temperature	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +70 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	93,9 years; MIL-HDBK 217F: Gb 25 °C
<b>Mechanical construction</b>	
Dimensions (W x H x D)	25 mm x 114 mm x 79 mm
Mounting	DIN Rail 35 mm
Weight	120 g
Protection class	IP 30
<b>Mechanical stability</b>	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
<b>EMC interference immunity</b>	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	Power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	10 V (150 kHz - 80 kHz)



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### EMC emitted immunity

**FCC CFR47 Part 15** FCC CFR47 Part 15 Class A

**EN 55022** EN 55022 Class A

### Approvals

**Safety of industrial control equipment** cUL 508

### Scope of delivery and accessories

**Scope of delivery** Device, terminal block, operating manual

**Accessories to order separately** Rail power supply RPS 15, RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame

For more information please contact:

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